

Notice of Allowability

Application No.

09/632,671

Examiner

Kenny Lin

Applicant(s)

MOON, BILLY G.

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/7/2005.
2. ☒ The allowed claim(s) is/are 1-2, 4-9, 11-16, 18-19, 21-26, 28-31 now renumbered as 1-26.
3. ☒ The drawings filed on 07 August 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date hereto.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

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DETAILED ACTION

1. Claims 1-2, 4-9, 11-16, 18-19, 21-26 and 28-31 are presented for examination. Claims 3, 8, 10, 17, 20 and 27 are canceled.

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kurt Pankratz on July 25, 2005.

3. The application has been amended as follows:

1. (Currently Amended) A communications apparatus comprising:

a client interface operable to receive point-to-point protocol (PPP) data;

a protocol module operable to encapsulate the PPP data as a payload of a facsimile page transmission; and

a network interface operable to establish a link with a remote location, to negotiate a facsimile communications session with the remote location, and to communicate the facsimile page transmission to the remote location, the network interface further operable to signal a local offhook indication to the remote location, to receive a remote offhook indication from the remote location, and to communicate voice information with the remote location using the link during the facsimile communications session.

8. (Currently Amended) A method for wireless communications comprising:
- establishing a link with a remote location;
 - negotiating a facsimile communications session with the remote location;
 - encapsulating point-to-point protocol (PPP) data as a payload of a facsimile page transmission;
 - communicating the facsimile page transmission to the remote location;
 - signaling a local offhook indication to the remote location;
 - receiving a remote offhook indication from the remote location; and
 - communicating voice information with the remote location using the link during the facsimile communications session.
15. (Currently Amended) A communications system comprising:
- a mobile unit operable to establish a link with a server using a wireless digital network, to negotiate a facsimile communications session with the server, to encapsulate client point-to-point protocol (PPP) data as a payload of a facsimile page transmission, and to communicate the facsimile page transmission to the server; and
 - a server operable to receive the facsimile page transmission, to extract the client PPP data, to encapsulate server PPP data as a payload of a page transmission acknowledgement, and to communicate the acknowledgement to the mobile station;
 - wherein the mobile unit and the server are each operable to signal an offhook indication and communicate voice information using the link during the facsimile communications session.

18. (Currently Amended) Communications software embodied in a computer readable medium and operable to:

establish a link with a remote location;

negotiate a facsimile communications session with the remote location;

encapsulate point-to-point protocol (PPP) data as a payload of a facsimile page transmission;

communicate the facsimile page transmission to the remote location;

signal a local offhook indication to the remote location;

receive a remote offhook indication from the remote location; and

communicate voice information with the remote location using the link during the facsimile communications session.

25. (Currently Amended) A communications apparatus comprising:

means for establishing a link with a remote location;

means for negotiating a facsimile communications session with the remote location;

means for encapsulating point-to-point protocol (PPP) data as a payload of a facsimile page transmission;

means for communicating the facsimile page transmission to the remote location;

means for signaling a local offhook indication to the remote location;

means for receiving a remote offhook indication from the remote location; and

means for communicating voice information with the remote location using the link

during the facsimile communications session.

4. The following is an examiner's statement of reasons for allowance: None of the prior art of record teaches or fairly suggests all of the claim limitations, especially the limitation of encapsulating point-to-point protocol data a payload as a facsimile page transmission and communicate the facsimile page transmission to the remote location in a negotiated facsimile communications session of a link with the remote location and also communicate voice information during the same facsimile communications session by switching in between voice mode and facsimile mode using the same link. Unlike the prior art Kenmochi, US 5,854,830, which establish a data communications session and a voice communications session (two different communications sessions) with the remote location concurrently using a data communication terminal and a voice communication terminal, the present invention claims to switch in between voice and facsimile communication during one negotiated facsimile communications session.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Elliott, US 6,487,197.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenny Lin whose telephone number is (571) 272-3968. The examiner can normally be reached on 8 AM to 5 PM Tue.-Fri. and every other Monday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ksl
August 22, 2005